

Sl



GAATTCTCTGGACTGAGGCTCCAGTTCTGGCCTTTGGGG

		074717	<u></u>	,					
TTCAAGATCACTGGGACCAGGCCGTGATCTCTATGCCCGAGTCTCAACCCTCAACTGTC									
ACCCCAAGGCACTTGGGACGTCCTGGACAGACCGAGTCCCGGGAAGCCCCAGCACTGCC									

GCTGC	CACACTGC	CCTGAGCCCAA	ATGGGGGAGTGAGAGGCCA	TAG CTG TCT GGC					
S1		S5	S10	S15					

S25 S20 Leu Glu Leu Leu Val Gly Ile Tyr Pro Ser Gly Val Ile Gly Leu CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT GGA CTG

Met Gly Leu Ser Thr Val Pro Asp Leu Leu Pro Leu Val Leu ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA CTG GTG CTC

Val Pro His Leu Gly Asp Arg Glu Lys Arg Asp Ser Val Cys Pro GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT GTG TGT CCC

Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC

Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro AÃG TGC CAC AÃA GGÁ ACC TÁC TTG TÁC AAT GAC TGT CCA GGC CCG

Gly Gln Asp Thr Asp Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC

Ala Ser Glu Asn His Leu Arg His Cys Leu Ser Cys Ser Lys Cys GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC

Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp CGĂ AĀG GAA ATG GGT CAG GTG GAG ATC TCT TGC ACA GTG GAC

Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT

Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys Ser Leu Cys Leu TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC

Fig.1/2

Asn.Gly AAT GGG 666	Thr ACC	125 Val GTG 67	CAC	Leu CTC	Ser TCC 68	Cys TGC	130 Gln CAG	Glu GAG 69	AAA	Gln CAG	Asn AAC .70	ACC	Val GTG
Cys Thr TGC ACC 711	Cys TGC	140 His CAT 72	GCA	Gly GGT	Phe TTC 72	Phe TTT	145 Leu CTA	Arg AGA 73	GAA	Asn AAC	Glu GAG 74	TGT	Val GTC
Ser Cys TCC TGT 756	Ser AGT	155 Asn AAC 76	TGT	AAG	Lys AAA 77	AGC	160 Leu CTG	Glu GAG 78	TGC	Thr ACG	Lys AAG 79	116	Cys TGC
Leu Pro CTA CCC 801	Gln CAG	170 Ile ATT 81	GAG	Asn AAT	Val GTT 81	AAG	175 Gly GGC	Thr ACT 82	GAG	Asp GAC	Ser TCA 83	GGC	Thr ACC
Thr Val ACA GTG 846	Leu CTG	185 Leu TTG 85	CCC	Leu CTG	Val GTC	\mathbf{ATT}	190 Phe TTC	Phe TTT 87	GGT	Leu CTT	TGC	195 Leu CTT 82	Leu TTA
Ser Leu TCC CTC 891	Leu CTC	TTC	Ile ATT	Gly GGT	TTA	Met ATG 09	205 Tyr TAT	Arg CGC 91	TAC	Gln CAA	CGG	210 Trp TGG 27	Lys AAG
Ser Lys TCC AAG 936	Leu CTC	TAC	Ser TCC 45	ATT	Val GTT 9	TGT	GGG	Lys	TCG	Thr	CCT	225 Glu GAA 72	Lys AAA
Glu Gly GAG GGG 981	Glu GAG	CTT	Glu	Gly GGA	ACT	Thr ACT 99	235 Thr ACT	Lvs	CCC	Leu CTG	GCC	240 Pro CCA 17	Asn AAC
Pro Ser CCA AGO 1026	Phe	AGT	Pro	Thr ACT	CCA	Gly GGC 44	250 Phe TTC	Thr	CCC	Thr ACC	CTG	255 Gly GGC 62	Phe
Ser Pro AGT CCC 1071	Val	CCC	Ser	Ser TCC	ACC	Phe TTC	265 Thr ACC	Ser TCC	Ser AGC 98	Ser TCC	: ACC	270 Tyr TAT .07	Thr
Pro Gly CCC GG	y Asp Gac	TGI	Pro	AST AAC	TTT	Ala GCG	280 Ala GCT	Pro	Arg CGC	J Arg	A GAC	285 1 Val 3 GTC 152	Ala

Fig.1/3

			295	
Pro Pro T	yr Gln Gly	Ala Asp Pro	Ile Leu Ala	Thr Ala Leu Ala
CCA'CCC T.	AT CAG GGG	GCT GAC CCC	ATC CTT GCG	ACA GCC CTC GCC
1161	1170	1179	1188	1197
	305		310	315
Ser Asp P	ro Ile Pro	Asn Pro Leu	Gln Lys Trp	Glu Asp Ser Ala
TCC GAC C	CC ATC CCC	AAC CCC CTT	CAG AAG TGG	GAG GAC AGC GCC
1206	1215	1224	1233	1242
-	320		325	330
Hie Lue P	ro Gla Ser	Leu Asp Thr	Asp Asp Pro	Ala Thr Leu Tyr
CAC AAG C	CA CAG AGC	CTA GAC ACT	GAT GAC CCC	GCG ACG CTG TAC
1251	1260	1269	1278	1287
	335		340	
Ala Val V	al Glu Asn	Val Pro Pro	Leu Arg Trp	
GCC GTG G	TG GAG AAC	GTG CCC CCG	TTG CGC TGG	AA GGAATTC
1206	1305	1314	1323	1332



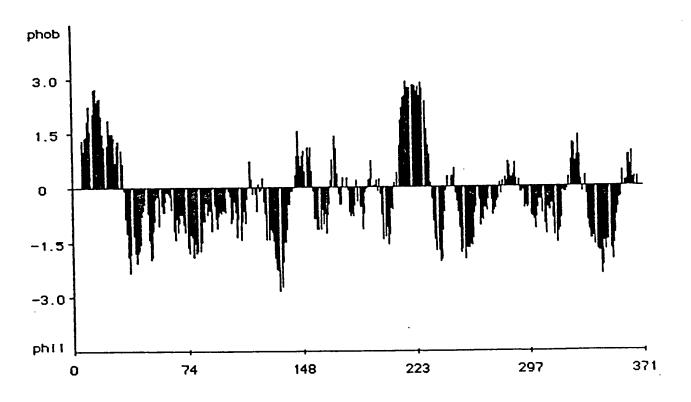


Fig.3

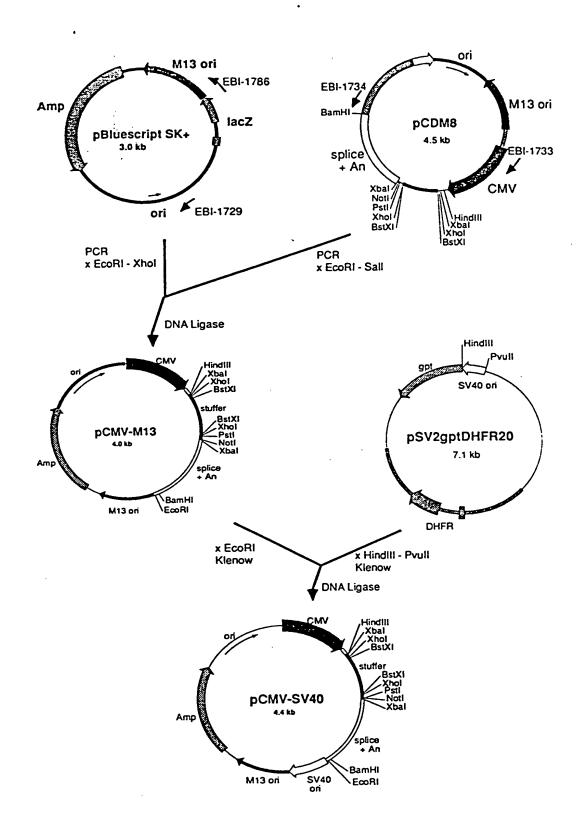


Fig.4

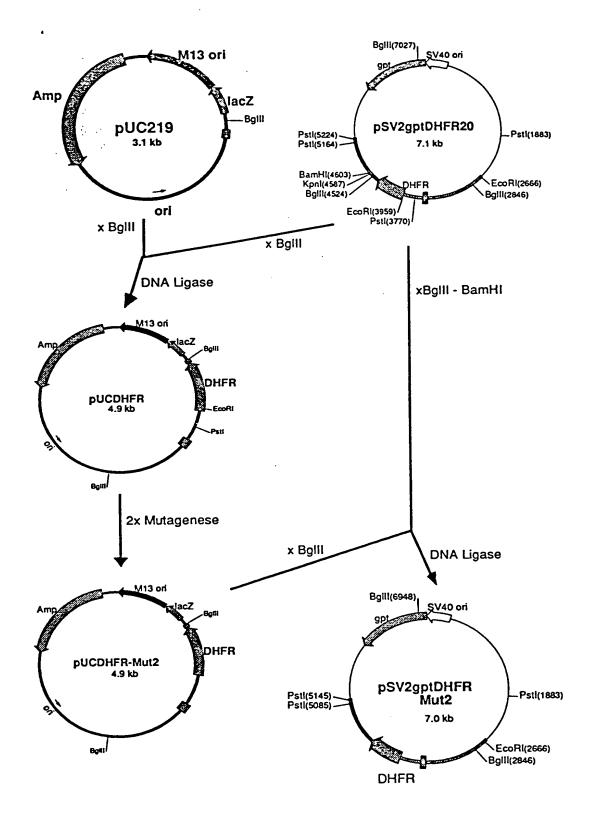


Fig.5

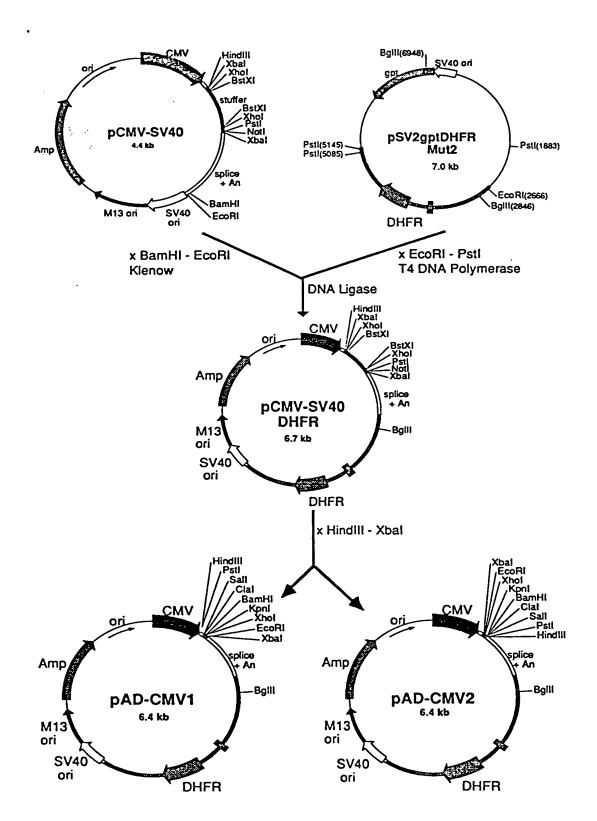


Fig.6/1

 $_{ t pAD-CMV1}$: 6414 bp

TCGACATTGA	TTATTGACTA	GTTATTAATA	GTAATCAATT	ACGGGGTCAT	TAGTTCATAG	60
CCCATATATG	GAGTTCCGCG	TTACATAACT	TACGGTAAAT	GGCCCGCCTG	GCTGACCGCC	120
CAACGACCCC	CGCCCATTGA	CGTCAATAAT	GACGTATGTT	CCCATAGTAA	CGCCAATAGG	180
GACTTTCCAT	TGACGTCAAT	GGGTGGAGTA	TTTACGGTAA	ACTGCCCACT	TGGCAGTACA	240
TCAAGTGTAT	CATATGCCAA	GTACGCCCCC	TATTGACGTC	AATGACGGTA	AATGGCCCGC	300
CTGGCATTAT	GCCCAGTACA	TGACCTTATG	GGACTTTCCT	ACTTGGCAGT	ACATCTACGT	360
ATTAGTCATC	GCTATTACCA	TGGTGATGCG	GTTTTGGCAG	TACATCAATG	GGCGTGGATA	420
GCGGTTTGAC	TCACGGGGAT	TTCCAAGTCT	CCACCCCATT	GACGTCAATG	GGAGTTTGTT	480
TTGGCACCAA	AATCAACGGG	ACTTTCCAAA	ATGTCGTAAC	AACTCCGCCC	CATTGACGCA	540
AATGGGCGGT	AGGCGTGTAC	GGTGGGAGGT	CTATATAAGC	AGAGCTCTCT	GGCTAACTAG	600
AGAACCCACT	GCTTAACTGG	CTTATCGAAA	TTAATACGAC	TCACTATAGG	GAGACCCAAG	660
CTTCTGCAGG	TCGACATCGA	TGGATCCGGT	ACCTCGAGCG	CGAATTCTCT	AGAGGATCTT	720
TGTGAAGGAA	CCTTACTTCT	GTGGTGTGAC	ATAATTGGAC	AAACTACCTA	CAGAGATTTA	780
AAGCTCTAAG	GTAAATATAA	AATTTTTAAG	TGTATAATGT	GTTAAACTAC	TGATTCTAAT	840
TGTTTGTGTA	TTTTAGATTC	CAACCTATGG	AACTGATGAA	TGGGAGCAGT	GGTGGAATGC	900
CTTTAATGAG	GAAAACCTGT	TTTGCTCAGA	AGAAATGCCA	. TCTAGTGATG	ATGAGGCTAC	960
TGCTGACTCT	CAACATTCTA	CTCCTCCAAA	AAAGAAGAGA	AAGGTAGAAG	ACCCCAAGGA	1020
CTTTCCTTC	A GAATTGCTAA	GTTTTTGAG	TCATGCTGTG	TTTAGTAATA	GAACTCTTGC	1080
TTGCTTTGC	T ATTTACACCA	CAAAGGAAAA	AGCTGCACTG	CTATACAAG	AAATTATGGA	1140
TTTATAAAA	ATGTATAGT	CCTTGACTAG	G AGATCATAAT	CAGCCATAC	CACATTTGTAG	1200
AGGTTTTAC	TGCTTTAAA	AACCTCCCAC	ACCTCCCCT	GAACCTGAA	A CATAAAATGA	1260
ATGCAATTG:	r TGTTGTTAAC	TTGTTTATT	CAGCTTATA	TGGTTACAA	A TAAAGCAATA	1320
GCATCACAA	A TTTCACAAA	AAAGCATTT	TTTCACTGC	A TTCTAGTTG	r GGTTTGTCCA	1380
AACTCATCA	A TGTATCTTAT	CATGTCTGG	A TCAATTCTG!	A GAAACTAGC	C TTAAAGACAG	1440
ACAGCTTTG	I TCTAGTCAGO	CAGGCAAGC	A TATGTAAATA	A AAGTTCCTC	A GGGAACTGAG	1500
GTTAAAAGA	T GTATCCTGG	A CCTGCCAGA	CTGGCCATT	CACGTAAACA	G AAGATTCCGC	1560
CTCAAGTTC	C GGTTAACAA	C AGGAGGCAAC	GAGATCTCA	A ATCTATTAC	T TCTAATCGGG	1620
AAATTAAA	C CTTTCAACT	A AAACACGGA	CCACGGATG:	r cacccactt	T TCCTTCCCCG	1680
GCTCCGCCC	T TCTCAGTAC	r CCCCACCAT	r AGGCTCGCT	A CTCCACCTC	C ACTTCCGGGC	1740

Fig.6/2

GCGACACCCA	CGTGCCCTCT	CCCACCGAC	GCTAACCCCG	CCCCTGCCCG	TCTGACCCCG	1800
CCCACCACCT	GCCCCGCCC	CGTTGAGGAC	AGAAGAAACC	CCGGGCAGCC	GCAGCCAAGG	1860
CGGACGGGTA	GACGCTGGGG	GCGCTGAGGA	GTCGTCCTCT	ACCTTCTCTG	CTGGCTCGGT	1920
GGGGGACGCG	GTGGATCTCA	GGCTTCCGGA	AGACTGGAAG	AACCGGCTCA	GAACCGCTTG	1980
TCTCCGCGGG	GCTTGGGCGG	CGGAAGAATG	GCCGCTAGAC	GCGGACTTGG	TGCGAGGCAT	2040
CGCAGGATGC	AGAAGAGCAA	GCCCGCCGGG	AGCGCGCGGC	TGTACTACCC	CGCGCCTGGA	2100
GCGGCCACGC	CGGACTGGGC	GGGCCGGCC	TGGTGGAGGC	GGAGTCTGAC	CTCGTGGAGG	2160
CGGGGCCTCT	GATGTTCAAA	TAGGATGCTA	GGCTTGTTGA	GGCGTGGCCT	CCGATTCACA	2220
AGTGGGAAGC	AGCGCCGGGC	GACTGCAATT	TCGCGCCAAA	CTTGGGGGAA	GCACAGCGTA	2280
CAGGCTGCCT	AGGTGATCGC	TGCTGCTGTC	ATGGTTCGAC	CGCTGAACTG	CATCGTCGCC	2340
GTGTCCCAGA	ATATGGGCAT	CGGCAAGAAC	GGAGACCTTC	CCTGGCCAAT	GCTCAGGTAC	2400
TGGCTGGATT	GGGTTAGGGA	AACCGAGGCG	GTTCGCTGAA	TCGGGTCGAG	CACTTGGCGG	2460
. AGACGCGCGG	GCCAACTACT	TAGGGACAGT	CATGAGGGGT	AGGCCCGCCG	GCTGCTGCCC	2520
TTGCCCATGC	CCGCGGTGAT	CCCCATGCTG	TGCCAGCCTT	TGCCCAGAGG	CGCTCTAGCT	2580
GGGAGCAAAG	TCCGGTCACT	GGGCAGCACC	ACCCCCGGA	CTTGCATGGG	TAGCCGCTGA	2640
GATGGAGCCT	GAGCACACGT	GACAGGGTCC	CTGTTAACGC	AGTGTTTCTC	TAACTTTCAG	2700
GAACGAGTTC	AAGTACTTCC	AAAGAATGAC	CACCACCTCC	TCAGTGGAAG	GTAAACAGAA	2760
CCTGGTGATT	ATGGGCCGGA	AAACCTGGTT	CTCCATTCCT	GAGAAGAATC	GACCTTTAAA	2820
GGACAGAATI	AATATAGTTC	TCAGTAGAGA	GCTCAAGGAA	CCACCACAAG	GAGCTCATTT	2880
TCTTGCCAAA	AGTCTGGACC	ATGCCTTAAA	ACTTATTGAA	CAACCAGAGT	TAGCAGATAA	2940
AGTGGACATG	GTTTGGATAG	TTGGAGGCAG	TTCCGTTTAC	AAGGAAGCCA	TGAATCAGCC	3000
AGGCCATCTC	AGACTCTTTG	TGACAAGGAT	CATGCAGGAA	TTTGAAAGTG	ACACGTTCTT	3060
CCCAGAAATT	GATTTGGAGA	AATATAAACT	TCTCCCAGAG	TACCCAGGGG	TCCTTTCTGA	3120
AGTCCAGGAC	GAAAAAGGC	TCAAGTATAA	ATTTGAAGTC	TATGAGAAGA	AAGGCTAACA	3180
GAAAGATAC	TGCTGATTG	CTTCAAGTTC	TACTGCTTTC	CTCCTAAAAT	TATGCATTTT	3240
TACAAGACC	A TGGGACTTG	GTTGGCTTTA	GATCCTGTGC	: ATCCTGGGCA	ACTGTTGTAC	3300
TCTAAGCCA	TCCCCAAAG	CATGCCCCAG	CCCCTGTATA	ATTCTAAACA	ATTAGAATTA	3360
TTTTCATTT	CATTAGTCT	A ACCAGGTTAT	TATAAATAT	CTTTAAGAAA	CACCATTTGC	3420
CATAAAGTT	C TCAATGCCC	CTCCCATGCAG	CCTCAAGTG	CTCCCCAGC	A GATGCATAGG	3480
GTAGTGTGT	G TACAAGAGA	CCCAAAGACA	TAGAGCCCC	GAGAGCATGA	A GCTGATATGG	3540

Fig.6/3

GGGCTCATAG	AGATAGGAGC	TAGATGAATA	AGTACAAAGG	GCAGAAATGG	GTTTTAACCA	3600
GCAGAGCTAG	AACTCAGACT	TTAAAGAAAA	TTAGATCAAA	GTAGAGACTG	AATTATTCTG	3660
CACATCAGAC	TCTGAGCAGA	GTTCTGTTCA	CTCAGACAGA	AAATGGGTAA	ATTGAGAGCT	3720
GGCTCCATTG	TGCTCCTTAG	AGATGGGAGC	AGGTGGAGGA	TTATATAAGG	TCTGGAACAT	3780
TTAACTTCTC	CGTTTCTCAT	CTTCAGTGAG	ATTCCAAGGG	ATACTACAAT	TCTGTGGAAT	3840
GTGTGTCAGT	TAGGGTGTGG	AAAGTCCCCA	GGCTCCCCAG	CAGGCAGAAG	TATGCAAAGC	3900
ATGCATCTCA	ATTAGTCAGC	AACCAGGTGT	GGAAAGTCCC	CAGGCTCCCC	AGCAGGCAGA	3960
AGTATGCAAA	GCATGCATCT	CAATTAGTCA	GCAACCATAG	TCCCGCCCCT	AACTCCGCCC	4020
ATCCCGCCCC	TAACTCCGCC	CAGTTCCGCC	CATTCTCCGC	CCCATGGCTG	ACTAATTTTT	4080
TTTATTTATG	CAGAGGCCGA	GGCGCCTCTG	AGCTATTCCA	GAAGTAGTGA	GGAGGCTTTT	4140
TTGGAGGCCT	AGGCTTTTGC	AAAAAAGCTA	ATTCAGCCTG	AATGGCGAAT	GGGACGCGCC	4200
CTGTAGCGGC	GCATTAAGCG	CGGCGGGTGT	GGTGGTTACG	CGCAGCGTGA	CCGCTACACT	4260
TGCCAGCGCC	CTAGCGCCCG	CTCCTTTCGC	TTTCTTCCCT	TCCTTTCTCG	CCACGTTCGC	4320
CGGCTTTCCC	CGTCAAGCTC	TAAATCGGGG	GCTCCCTTTA	GGGTTCCGAT	TTAGTGCTTT	4380
ACGGCACCTC	GACCCCAAAA	ACTTGATTAG	GGTGATGGTT	CACGTAGTGG	GCĆATCGCCC	4440
TGATAGACGG	TTTTTCGCCC	TTTGACGTTG	GAGTCCACGT	TCTTTAATAG	TGGACTCTTG	4500
TTCCAAACTG	GAACAACACT	CAACCCTATC	TCGGTCTATT	CTTTTGATTT	ATAAGGGATT	4560
TTGCCGATTI	CGGCCTATTG	GTTAAAAAAT	GAGCTGATTT	AACAAAAATT	TAACGCGAAT	4620
TTTAACAAAA	TATTAACGTT	TACAATTTCA	GGTGGCACTT	TTCGGGGAAA	TGTGCGCGGA	4680
ACCCCTATTI	GTTTATTTT	CTAAATACAT	TCAAATATGT	ATCCGCTCAT	GAGACAATAA	4740
CCCTGATAAA	TGCTTCAATA	ATATTGAAAA	AGGAAGAGTA	TGAGTATTCA	ACATTTCCGT	4800
GTCGCCCTTA	TTCCCTTTT	TGCGGCATTT	TGCCTTCCTG	TTTTTGCTCA	CCCAGAAACG	4860
CTGGTGAAAG	TAAAAGATGC	TGAAGATCAG	TTGGGTGCAC	GAGTGGGTTA	CATCGAACTG	4920
GATCTCAACA	GCGGTAAGAT	CCTTGAGAGT	TTTCGCCCCG	AAGAACGTTT	TCCAATGATG	4980
AGCACTTTT	AAGTTCTGCT	ATGTGGCGCG	GTATTATCCC	GTATTGACGC	CGGGCAAGAG	5040
CAACTCGGTC	GCCGCATACA	CTATTCTCAG	AATGACTTGG	TTGAGTACTC	ACCAGTCACA	5100
GAAAAGCAT	TTACGGATGG	CATGACAGTA	AGAGAATTAT	GCAGTGCTGC	CATAACCATG	5160
AGTGATAAC	A CTGCGGCCAA	CTTACTTCTG	ACAACGATCG	GAGGACCGAA	GGAGCTAACC	5220
GCTTTTTTG	C ACAACATGGG	GGATCATGTA	ACTCGCCTTG	ATCGTTGGGA	ACCGGAGCTG	5280
AATGAAGCC	A TACCAAACGA	CGAGCGTGAC	CACCACGATGO	CTGTAGCAAT	GGCAACAACG	5340

08/404312

Fig.6/4

TTGCGCAAAC	TATTAACTGG	CGAACTACTT	ACTCTAGCTT	CCCGGCAACA	ATTAATAGAC	5400
TGGATGGAGG	CGGATAAAGT	TGCAGGACCA	CTTCTGCGCT	CGGCCCTTCC	GGCTGGCTGG	5460
TTTATTGCTG	ATAAATCTGG	AGCCGGTGAG	CGTGGGTCTC	GCGGTATCAT	TGCAGCACTG	5520
GGGCCAGATG	GTAAGCCCTC	CCGTATCGTA	GTTATCTACA	CGACGGGGAG	TCAGGCAACT	5580
ATGGATGAAC	GAAATAGACA	GATCGCTGAG	ATAGGTGCCT	CACTGATTAA	GCATTGGTAA	5640
CTGTCAGACC	AAGTTTACTC	ATATATACTT	TAGATTGATT	TAAAACTTCA	TTTTAATTT	5700
AAAAGGATCT	AGGTGAAGAT	CCTTTTTGAT	AATCTCATGA	CCAAAATCCC	TTAACGTGAG	5760
TTTTCGTTCC	ACTGAGCGTC	AGACCCCGTA	GAAAAGATCA	AAGGATCTTC	TTGAGATCCT	5820
TTTTTTCTGC	GCGTAATCTG	CTGCTTGCAA	асааааааас	CACCGCTACC	AGCGGTGGTT	5880
TGTTTGCCGG	ATCAAGAGCT	ACCAACTCTT	TTTCCGAAGG	TAACTGGCTT	CAGCAGAGCG	5940
CAGATACCAA	ATACTGTCCT	TCTAGTGTAG	CCGTAGTTAG	GCCACCACTT	CAAGAACTCT	6000
GTAGCACCGC	CTACATACCT	CGCTCTGCTA	ATCCTGTTAC	CAGTGGCTGC	TGCCAGTGGC	6060
GATAAGTCGT	GTCTTACCGG	GTTGGACTCA	AGACGATAGT	TACCGGATAA	GGCGCAGCGG	6120
TCGGGCTGAA	CGGGGGGTTC	GTGCACACAG	CCCAGCTTGG	AGCGAACGAC	CTACACCGAA	6180
CTGAGATACC	TACAGCGTGA	GCATTGAGAA	AGCGCCACGC	TTCCCGAAGG	GAGAAAGGCG	6240
GACAGGTATO	CGGTAAGCGG	CAGGGTCGGA	ACAGGAGAGC	GCACGAGGGA	GCTTCCAGGG	6300
GGAAACGCCI	GGTATCTTTA	TAGTCCTGTC	GGGTTTCGCC	ACCTCTGACT	TGAGCGTCGA	6360
TTTTTGTGAT	GCTCGTCAGG	GGGGCGGAGC	CTATGGAAAA	ACGCCAGCAA	CGCC	

Fig.7A

Fig.7B

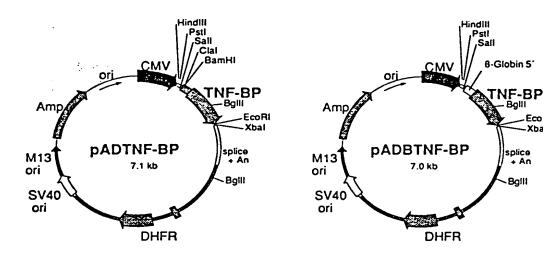


Fig.7C

Fig.7D

splice + An

BgIII

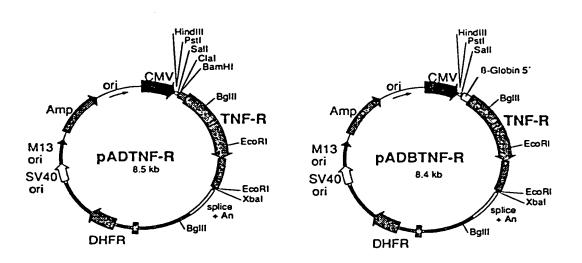


Fig.8/1

raTNF-R

GAATTCCTTT TO AATCCTGGAG, GA GGGCTCACGC TO TTGCCAATTG CO	ACCGTAC GCCAACA	CC TGAT	TTCCAT SCCACCT	CTA	CCTC	TGA	CTTT	'GAGC 'ACTI	CT T	TCTA TCAC	ACCC CAGC	G G	60 120 180 240		
GGAC 245/1						275/									
ATC CCT CTC	CCC ATC	GTG C	CT GGC	CTG	CTG	CTG	TCA	CTG	GTG	CTC	CTG	GCT	CTG	CTG	ATG
Met Gly Leu	Pro Ile	Val P	co Gly	Leu	Leu	Leu	Ser	Leu	Val	Leu	Leu	Ala	Leu	Leu	Met
305/21	·					335/	31								
GGG ATA CAC	CCA TCA	GGG G	IC ACC	GGA	CTG	GTT	CCT	TCT	CTT	Clar	GAC	7	Clu	AAG Tuo	AGG
Gly Ile His	Pro Ser	Gly V	al Thr	GIÀ	Leu	395/	PIO '51	ser	reu	GIY	АЅР	YIG	GIU	ry's	Arg
365/41 GAT AAT TTG	שכש כככ	CEG G	DAA AS	тат	GCC			AAG	AAT	AAT	TCC	ATC	TGC	TGC	ACC
Asp Asn Leu	Cvs Pro	Gln G	lv Lvs	Tvr	Ala	His	Pro	Lys	Asn	Asn	Ser	Ile	Cys	Cys	Thr
425/61	_					455/	771								
AAG TGC CAC	AAA GGA	ACC T	AC TTG	GTG	AGT	GAC	TGT	CCA	AGC	CCA	GGG	CAG	GAA	ACA	GTC
Lys Cys His	Lys Gly	Thr T	yr Leu	Val	Ser	Asp	Cys	Pro	Ser	Pro	Gly	Gln	Glu	Thr	Val
485/81		_				515/		~~~		010	C TC		010		CEC
TGC GAG CTC	TCT CAT	AAA G	GC ACC	TTT	ACA	GCT	TCG	CAG	AAC	UAC	Ual	AGA	Gla	Cve	Lau
Cys Glu Leu	Ser His	Lys G	ry Thr	Pne	Thr	575.	/111	GIII	ASII	nrs	Val	nry	GIII	Cys	Dea
545/101 AGT TGC AAG	ארא יהמו	CGS A	ממס ממ	ATG	TTC			GAG	ATT	TCT	CCT	TGC	AAA	GCT	GAC
Ser Cys Lys	Thr Cvs	Arg L	vs Glu	Met	Phe	Gln	Val	Glu	Ile	Ser	Pro	Cys	Lys	Ala	Asp
605/121						635,	/131								
ATG GAC ACC	GTG TGT	GGC T	GC AAG	AAG	AAC	CAA	TTC	CAG	CGC	TAC	CTG	AGT	GAG	ACG	CAT
Met Asp Thr	Val Cys	Gly C	ys Lys	Lys	Asn			Gln	Arg	Tyr	Leu	Ser	Glu	Thr	His
665/141							/151					000	mcm		CNC
TTC CAG TGT	GTG GAG	TGC A	GC CCC	TGC	TTC	AAT	GGC	ACC	GTG	ACA	ATC	Dro.	Cus	Tue	GAG
Phe Gln Cys	Val Asp	Cys S	er Pro	Cys	Pne	755	/171	1111	Val	1111	116	FIU	Cys	Ly 3	Giu
725/161 AAA CAG AAC	ACC GTO	тст х	אר דכר	CAC	GCA			ттт	CTA	AGC	GGA	AAT	GAG	TGC	ACC
Lys Gln Asn	Thr Val	Cvs A	sn Cvs	His	Ala	Gly	Phe	Phe	Leu	Ser	Gly	Asn	Glu	Cys	Thr
785/181						815	/191								
CCT TGC AGC	CAC TG	AAG A	TAA AA	CAG	GAA	TGT	ATG	AAG	CTG	TGC	CTA	CCT	CCA	GTT	GCA
Pro Cys Ser	His Cy:	. Lys L	ys Asn	Gln	Glu				Leu	Cys	Leu	Pro	Pro	Val	Ala
845/201 AAT GTC ACA			10 mc1	CCB	» cm		/211		ጥጥር	CCT	СТС	СТТ	ATC.	ΤΤΟ	СТЪ
AAT GTC ACA Asn Val Thr	AAC CCC	CAG	SD SOF	Glv	Thr	Ala	Val	Leu	Leu	Pro	Leu	Val	Ile	Phe	Leu
905/221	ASH FI	, GIII I	Sp Jer	013			/231								
GGT CTT TGC	CTT TT	A TTC T	TT ATC	TGC	ATC	AGT	CTA	CTG	TGC	CGA	TAT	CCC	CAG	TGG	AGG
Gly Leu Cys	Leu Le	ı Phe P	he Ile	Cys	Ile	Ser	Leu	Leu	Cys	Arg	Tyr	Pro	Gln	Trp	Arg
965/241							/251						~~~		633
CCC AGG GTC	TAC TC	ATC A	TT TGI	AGG	GAT	TCA	GCT	CCT	GTC	AAA	GAG	GTG	GAG	GGT	GAA
Pro Arg Val	Tyr Se	r lle l	Te Cys	Arg	Asp		5/27		vai	гуу	GIU	Val	GIU	Gly	GIU
1025/261 GGA ATT GTT	מב דים	ב ררר ו	ירא אריי	, CC#	GCC				GCC	TTC	AGC	ccc	AAC	ccc	GGC
Gly Ile Val	Thr Lv	s Pro I	eu Thr	Pro	Ala	Ser	Ile	Pro	Ala	Phe	Ser	Pro	Asn	Pro	Gly
1085/281	_					111	5/29	1							
TTC AAC CCC	ACT CT	G GGC 1	TC AGO	ACC	ACC	CCA	CGC	TTC	AGT	CAT	CCT	GTC	TCC	AGT	ACC
Phe Asn Pro	Thr Le	ı Gly F	he Ser	Thr	Thr	Pro	Arg	Phe	Ser	His	Pro	Val	Ser	Ser	Thr
1145/301							5/31			C.T.C		CC#	CEN	202	CNC
CCC ATC AGC	CCC GT	TTC C	GT CCI	AGT	AAC	TGG	CAC	AAC	TTC	GTG Val	D~A	Dea	UTA U≘1	AUA Ara	GNU
Pro Ile Ser	rro va	r rue (TA LLC	ser	ASD	123 125	5/33	nsn I	FIIE	val	FIO	FIO	441	nry	, GIU
1205/321 GTG GTC CCA	ACC CA	з сет с	CT GAC	CCT	CTC				TCC	CTC	AAC	CCT	GTG	CCA	ATC
Val Val Pro	Thr Gl	n Glv A	la Asr	Pro	Leu	Leu	Tyr	Gly	Ser	Leu	Asn	Pro	Val	Pro	Ile
1265/341						129	5/35	1							
CCC GCC CCT	GTT CG	G AAA 7	GG GAA	GAC	GTC	GTC	GCG	GCC	CAG	CCA	CAA	CGG	CTT	GAC	ACT

1980

2040 2100

2160

Fig.8/2

Pro Ala Pro Val Arg Lys Trp Glu Asp Val V	Val Ala Ala Gln Pro Gln Arg Leu	Asp Thr
2020,000	1355/371	
GCA GAC CCT GCG ATG CTG TAT GCT GTG GTG		
Ala Asp Pro Ala Met Leu Tyr Ala Val Val A	Asp Gly Val Pro Pro Thr Arg Trp	Lys Glu
1000,001	1415/391	
TTC ATG CGG CTC CTG GGG CTG AGC GAG CAC C		
Phe Met Arg Leu Leu Gly Leu Ser Glu His C		Asn Gly
2.10, 102	1475/411	
CGT TGC CTC CGC GAG GCT CAT TAC AGC ATG		
Arg Cys Leu Arg Glu Ala His Tyr Ser Met 1		Pro Arg
2000,	1535/431	
CAC GAG GCC ACG CTG GAC GTA GTG GGC CGC C		
His Glu Ala Thr Leu Asp Val Val Gly Arg		Gly Cys
	1595/451	
CTG GAG AAC ATC CGC GAG ACT CTA GAA AGC		
Leu Glu Asn Ile Arg Glu Thr Leu Glu Ser I	Pro Ala His Ser Ser Thr Thr His	Leu Pro
1625/461		
CGA TAA		
Arg Stop		_
GGCCACACCC CCACCTCAGG AACGGGA		· =
GCCCTGCTTC CCTGTGAACC TCCTCTTTGG TCCTCTA		
CTCGATCTGG CAGCCACTTC CTTGGTGCTA CCGACTT		
GCCGAGGACA GCCTGTGCCA GCCACTTGTG CATGGCA		-
GACAGCTGAG GGTGCCAAAA GCCAGGAGAG GTGATTG	TGG AGAAAAAGCA CAATCTATCT 192	10

GATACCCACT TGGGATGCAA GGACCCAAAC AAAGCTTCTC AGGGCCTCCT CAGTTGATTT

CTGGGCCCTT TTCACAGTAG ATAAAACAGT CTTTGTATTG ATTATATCAC ACTAATGGAT

GAACGGTTGA ACTCCCTAAG GTAGGGGCAA GCACAGAACA GTGGGGTCTC CAGCTGGAGC

AAAAAAGGAA TTC



Fig.9/1

huTNF-R

GAATTCTCTG GACTGAGGCT CCAGTTCTGG CCTTTGGGGT TCAAGATCAC TGGGACCAGG
CCGTGATCTC TATGCCCGAG TCTCAACCCT CAACTGTCAC CCCAAGGCAC TTGGGACGTC
CTGGACAGAC CGAGTCCCGG GAAGCCCCAG CACTGCCGCT GCCACACTGC CCTGAGCCCA
AATGGGGGAG TGAGAGGCCA TAGCTGTCTG GC

213/1									243/1	11								
ATG GGC	СТС	TCC	ACC	GTG	ССТ	GAC	CTG	CTG			CTG	GTG	CTC	CTG	GAG	CTG	TTG	GTG
Met Gly	Leu	Ser	Thr	Val	Pro	Asp	Leu	Leu	Leu I	Pro	Leu	Val	Leu	Leu	Glu	Leu	Leu	Val
273/21						•			303/3		•			•				
GGA ATA	TAC	CCC	TCA	GGG	GTT	ATT	GGA	CTG	GTC (CCT	CAC	CTA	GGG	GAC	AGG	GAG	AAG	AGA
Gly Ile	Tyr	Pro	Ser	Gly	Val	Ile	Gly	Leu	Val I	Pro	His	Leu	Gly	Asp	Arg	Glu	Lys	Arg
333/41	_								363/	51								
GAT AGT	GTG	TGT	CCC	CAA	GGA	AAA	TAT	ATC	CAC (CCT	CAA	AAT	AAT	TCG	ATT	TGC	TGT	ACC
Asp Ser	Val	Cys	Pro	Gln	Gly	Lys	Tyr	Ile			Gln	Asn	Asn	Ser	Ile	Cys	Cys	Thr
393/61									423/									
AAG TGC	CAC	AAA	GGA	ACC	TAC	TTG	TAC	AAT	GAC :	TGT	CCA	GGC	CCG	GGG	CAG	GAT	ACG	GAC
Lys Cys	His	Lys	Gly	Thr	Tyr	Leu	Tyr	Asn			Pro	Gly	Pro	GIA	Gin	Asp	Thr	Asp
453/81									483/		~~~		~~~	000		~~~	mca	C=0
TGC AGG	GAG	TGT	GAG	AGC	GGC	TCC	TTC	ACC	GCT	TCA	GAA	AAC	CAC	CTC	AGA	UAC	Cuc	CTC
Cys Arg	Glu	Cys	Glu	Ser	GIA	Ser	Pne	Thr			GIU	ASI	HIS	Leu	Arg	nis	Cys	ren
513/101 AGC TGC	500		mc0	~~~		C 2 2	200	CCT	543/		CAC	n mC	TCT.	тст	TGC	ACA	GTG	GAC
Ser Cys	TCC	AAA	TGC	CGA	AAG	Clu	Mot	Cla	Gla '	U a l	GAG	TIO	502	507	Cve	Thr	Ual	Asp.
5er Cys 573/121	ser	гÃа	Cys	Arg	rys	GIU	Met	Gry	603/		GIU	116	261	261	Cys	1111	V41	лэр
CGG GAC	»CC	GTG	тст	ccc	TGC	»GG	AAG	AAC	-		CGG	САТ	TAT	TGG	AGT	GAA	AAC	СТТ
Arg Asp	Thr	Val	Cvs	Glv	Cvs	Ara	Lvs	Asn	Gln	Tvr	Ara	His	Tvr	Tro	Ser	Glu	Asn	Leu
633/141		•••	0,0	013	0,70	9	2,0		663/		*** 5		-1-					
TTC CAG	TGC	TTC	AAT	TGC	AGC	CTC	TGC	CTC			ACC	GTG	CAC	CTC	TCC	TGC	CAG	GAG
Phe Gln																		
693/161	-4-			•			-		723/							_		
AAA CAG	AAC	ACC	GTG	TGC	ACC	TGC	CAT	GCA	GGT	TTC	TTT	CTA	AGA	GAA	AAC	GAG	TGT	GTC
Lys Gln	Asn	Thr	Val	Cys	Thr	Cys	His	Ala	Gly	Phe	Phe	Leu	Arg	Glu	Asn	Glu	Cys	Val
753/181									783/									
TCC TGT																		
Ser Cys		Asn	Cys	Lys	Lys	Ser	Leu	Glu			Lys	Leu	Суз	Leu	Pro	Gln	Ile	Glu
813/201							_		843/									
AAT GTT	AAG	GGC	ACT	GAG	GAC	TCA	GGC	ACC	ACA	GTG	CTG	TTG	CCC	CTG	GTC	ATT	TTC	TTT
Asn Val		GIĀ	Thr	GIU	Asp	Ser	GIY	Thr				Leu	Pro	Leu	val	TIE	Pne	Pne
873/221 GGT CTT		~mm	mm 2	mcc.	CTC	CTC	ምጥር	እጥጥ	903/			TAT	ccc	ጥልሮ	C 2 2	ccc	TGG	226
Gly Leu																		
933/241		beu	rea	361	Deu	neu	F 11C	110	963/			-3-	nry	- 3 -	01	9		2,5
TCC AAG		TAC	TCC	АТТ	СТТ	тст	GGG	AAA	-			GAA	AAA	GAG	GGG	GAG	CTT	GAA
Ser Lys																		
993/261		-1-				-1-	3	-2-	1023				_		•			
GGA ACT		ACT	AAG	CCC	CTG	GCC	CCA	AAC				AGT	CCC	ACT	CCA	GGC	TTC	ACC
Gly Thr	Thr	Thr	Lys	Pro	Leu	Ala	Pro	Asn	Pro	Ser	Phe	Ser	Pro	Thr	Pro	Gly	Phe	Thr
1053/28	1		_						1083	/29	1							
CCC ACC	CTG	GGC	TTC	AGT	CCC	GTG	CCC	AGT	TCC	ACC	TTC	ACC	TCC	AGC	TCC	ACC	TAT	ACC
Pro Thr	Leu	Gly	Phe	Ser	Pro	Val	Pro	Ser	Ser	Thr	Phe	Thr	Ser	Ser	Ser	Thr	Tyr	Thr
1113/30									1143			•		_	_		_	_
CCC GGT																		
Pro Gly	-	Cys	Pro	Asn	Phe	Ala	Ala	Pro				Val	Ala	Pro	Pro	Tyr	Gln	Gly
1173/32									1203									
GCT GAC																		
Ala Asp	Pro	Пе	Leu	ATA	Thr	Ala	Leu	Ala	Ser	Asp	Pro	Ile	Pro	ASD	Pro	rea	GID	гуs

Fig.9/2

1233/341	251
TGG GAG GAC AGC GCC CAC AAG CCA CAG AGC CTA G Trp Glu Asp Ser Ala His Lys Pro Gla Ser Lou A	10 10
Trp Glu Asp Ser Ala His Lys Pro Gla Sor Law	AC ACT GAT GAC CCC GCG ACG CTG TAC
1202/261 Fed A	SP Inr ASP ASP Pro Ala The Lou Time
GCC GTG GTG GAG AAC GTG CCC CCC mmc ccc mmc	371
GCC GTG GTG GAG AAC GTG CCC CCG TTG CGC TGG A Ala Val Val Glu Asn Val Pro Pro Leu Arg Tro I	AG GAA TTC GTG CGG CGC CTA GGG CTG
1353/381	ys Glu Phe Val Arg Arg Leu Gly Leu
AGC GAC CAC GAG ATC CAT GGG GTG GGG	391
AGC GAC CAC GAG ATC GAT CGG CTG GAG CTG CAG A Ser Asp His Glu Ile Asp Arg Leu Glu Leu Glo	AC GGG CGC TGC CTG CGC GAG GCG CAA
1413/401	on Gly Ard Cvs Leu Ard Glu ala Cla
TAC ACC AMC CMC CCC ACC ACC ACC ACC ACC A	411
TAC AGC ATG CTG GCG ACC TGG AGG CGG CGC ACG CG Tyr Ser Met Leu Ala Thr Trp Arg Arg The D	CG CGG CGC GAG GCC ACG CTC CAG GTG
Tyr Ser Met Leu Ala Thr Trp Arg Arg Arg Thr P 1473/421	ro Arg Arg Glu Ala The Iou Glu
1473/421 1503/4	431
CIG GGA CGC GTG CTC CGC GAC ATC CAC CTC CTC	
Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu G. 1533/441	Ly Cys Leu Glu Ace The GAG GAG GCG
1533/441 1563/4	151 Let Giu Asp lie Giu Glu Ala
CIT TOO GGC CCC GCC CTC CCC CCC CCC	Om O==
Leu Cys Gly Pro Ala Ala Leu Pro Pro Ala Pro Se	or Lou Lou Rus and 1580
	it hed hed Arg Stop
GGCTGCGCCC CTGCGGGCAG CTCTAAGGAC CGTCCTGCGA	1620
GATCGCCTTC CAACCCCACT TTTTTTCTGGA AAGGACCCCT CO	MO01000
GCGCCGCCGA CAGTCAGCGC TGTGCGCGCG GAGAGAGGTG CG	CTTTTCTC AGCTGCCTGC 1740
GAGTGGGTGG TTTGCGAGGA TGAGGGGAGGC TATGGGGTG CG	CCGTGGGC TCAAGAGCCT 1800
GAGTGGGTGG TTTGCGAGGA TGAGGGACGC TATGCCTCAT GC	CCGTTTTG GGTGTCCTCA 1860
CCAGCAAGGC TGCTCGGGGG CCCCTGGTTC GTCCCTGAGC CT	TTTTCACA GTGCATAAGC 1920
	TGTGGACT TTTGTACATA 2100
CACTAAAATT CTGAAGTTAA AAAAAAAAA AAAAGGAATT C	2141
•	~ ± 7 ±





